

# Zhiyuan Yang

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Available: **January – June 2024**

## Education

**Northeastern University**, Boston, MA 2022-Present

Candidate for a *Bachelor of Science in Computer Science and Biology*; GPA: **3.78/4.00**

Honors: Dean's List (Fall 2022/Spring 2023)

Related Courses: Algorithms, Object Oriented Design, Logic and Computation, Fundamentals of Computer Science I & II, Discrete Structures, Inquiries in Cellular and Molecular Biology, Organic Chemistry I, General Chemistry I and II

**True Light High School**, Guangzhou Shi, China June 2022 Activities: Robotics Competition

## Computer Knowledge

**Languages:** Java, R, Scheme/Racket, ACL2

**Software:** Eclipse, ShinyStudio

**Github:** <https://github.com/zhiyuanyang>

## Projects

### **Image Manipulation Editor**

March – May 2023

- Built a responsive GUI using Java and the Java Swing library allowing users to manipulate images through 15 filters and effects
- Created a MATLAB-based solution to compress images while maintaining original features
- Utilized MVC design to create code that allows for seamless implementation of new features

## Work Experience

### **UMass Medical School, Bioinformatics/Integrative Biology Intern**

July – August 2023

- Created a user interface incorporating preexisting genetic analysis programs
- Utilized the language R in ShinyStudio to implement three genetic programs into a cohesive interface
- Assembled the project into a package to be available in the future for others on Bioconductor
- Reported all changes to Github in order keep track of progress

### **Starbucks Corporation, Barista**

June 2021 – August 2022

- Prepare and promote over three dozen drinks and products
- Collaborate daily with other baristas and managers to maintain a clean and orderly kitchen space
- Trained and managed three new employees to keep the restaurant operating efficiently

## Interests

Photography // Premiership Soccer // Weightlifting // Cooking

**References Available Upon Request**